Windows PowerShell Get-Help on Cmdlet 'Unblock-Tpm'

PS:\>Get-HELP Unblock-Tpm -Full

NAME

   Unblock-Tpm

SYNOPSIS

   Resets a TPM lockout.

SYNTAX

   Unblock-Tpm -File <String> [<CommonParameters>]

   Unblock-Tpm [[-OwnerAuthorization] <String>] [<CommonParameters>]

DESCRIPTION

   The Unblock-Tpm cmdlet resets a Trusted Platform Module (TPM) lockout. TPM locks itself to prevent tampering or

attack. This is called a lockout. To end a TPM

   lockout, you must provide a valid owner authorization value. You can enter an owner authorization value or specify a file

that contains the value. If you do not

   provide a value, the cmdlet attempts to use a value stored in the registry.

For more information on TPM, see the Trusted Platform Module Technology Overview (https://technet.microsoft.com/en-us/library/jj131725.aspx)in the Technet library.

PARAMETERS

  -File <String>

    Specifies a file that contains the current owner authorization value for the TPM. You can use the TPM Management Console to create this file.

    Required?   true

    Position?   named

    Default value   None

    Accept pipeline input?   False

    Accept wildcard characters? false

  -OwnerAuthorization <String>

    Specifies the current owner authorization value for the TPM.

    Required?   false

    Position?   1

    Default value   None

    Accept pipeline input?   True (ByValue)

    Accept wildcard characters? false

  <CommonParameters>

    This cmdlet supports the common parameters: Verbose, Debug,

    ErrorAction, ErrorVariable, WarningAction, WarningVariable,

    OutBuffer, PipelineVariable, and OutVariable. For more information, see

    about_CommonParameters (https:/go.microsoft.com/fwlink/?LinkID=113216).

INPUTS

OUTPUTS

TpmObject

This cmdlet returns a TpmObject object contains the following information:

- TpmReady. Whether a TPM complies with Windows Serverr 2012 standards.

- TpmPresent. Whether there is a TMP on the current computer.

- ManagedAuthLevel. The level at which the operating system manages the owner authorization. Possible values are Legacy, Balanced, and Full.

- OwnerClearDisabled. Whether TPM can be reset. If this value is True , the TPM cannot be reset through the operating system by using the owner authorization value. If this value is False , the TPM can be reset through the operating system. - AutoProvisioning. Whether the computer can use auto-provisioning. Possible values are NotDefined, Enabled, Disabled, and DisabledForNextBoot.

- LockedOut. Whether a TPM is locked out.

- SelfTest. Information returned by a test that TPM runs.

NOTES

* Be sure to understand the protection logic TPM uses. The TPM allows at least one attempt to reset the TPM lockout by using the owner authorization value. For more information, see the Reset the TPM Lockout (https://technet.microsoft.com/en-us/library/dd851452.aspx)topic in the Technet library.

------------------ Example 1: Reset a lockout ------------------

PS C:\>Unblock-Tpm -OwnerAuthorization "vjnuW6rToM41os3xxEpjLdIW2gA="

This command resets a TPM lockout. The command specifies the owner authorization value vjnuW6rToM41os3xxEpjLdIW2gA=.

RELATED LINKS

Clear-Tpm

Get-Tpm

Initialize-Tpm